



18/5/89

भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 20] नई दिल्ली, शनिवार, मई 20, 1989 (वैशाख 30, 1911)
No. 20] NEW DELHI, SATURDAY, MAY 20, 1989 (VAISAKHA 30, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है ताकि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 20th May 1989

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

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Todi Estates, 3rd Floor, Lower Parel (West),
Bombay-400 013

Telegraphic address "PATOFFICE".

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Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
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New Delhi-110 005

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1-77GI/89

Patent Office Branch,
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The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

**PATENT OFFICE BRANCH, BOMBAY-13
CORRIGENDUM**

- (1) In the Gazette of India, Part III, Section 2, dated 18th February, 1989, under the heading 'corrigendum' published on page 166 and under the heading 'Applications filed at Patent Office Branch, Bombay-400 013 on page 167.
 - (i) In respect of Patent Application No. 240/BOM/1985 Patent No. read as 163869.
 - (ii) In respect of Patent Application No. 347/BOM/1988, in the title of invention for 'JREJARING' read as 'PREPARING'.
- (2) In the Gazette of India, Part III, Section 2, dated 25th February, 1989, under the heading 'Application for Patents filed at Patent Office Branch, Bombay-400013 on page 182 & 183.
 - (i) In respect of Patent Application No. 16/BOM/1989. Convention priority date is 14th January, 1988. U. K.
- (3) In the Gazette of India, Part III, section 2, dated 25th February, 1989 under the heading 'Complete Specification Accepted on page 194 to 197.
 - (i) In respect of Patent No. 164351 (346/BOM/1985) International Classification for H03 m—11/00 read as H03 m—13/00.
 - (ii) In respect of Patent No. 164453 (7/BOM/1986). Total No. of drawing sheet for 4 read as 3.
 - (iii) In respect of Patent No. 164354 (45/BOM/1986) In claim, in line 4 for 'C4-4, read, '-C-C4' and in line 7 for 'C10-C4' read as 'C10-C-16'.
 - (iii) In respect of Patent No. 164355 (30/BOM/1986), In claim in line 3 Fig (6) and in line 4 Fig (5) deleted.
 - (iv) In respect of Patent No. 164356 (44/BOM/1986), In claim, in line 12 in formula— for '<'o read '≥o'
 - (v) In respect of Patent No. 164357 (124/BOM/1986) In claim, in between line 17 & 18 read as "BUSH A HANDLE KNOB HAVING AN INTERNALLY EXTENDING TUBULAR SHAFT HAVING" which is not printed.

**APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20**

The dates shown in the crescent brackets are the dates claimed under section 135, of the Patents Act, 1970.

The 11th April, 1989

- 277/Cal/89. Cawas Phiroze Nazir. Concrete auger pile.
- 278/Cal/89. Krone Aktiengesellschaft. Processes and devices to control a laser diode fitted in an optical transmitter of a telecommunication system.
- 279/Cal/89. Mcneil-Ppc, Inc. Sanitary napkin having an attachment system comprising biased hinges.
- 280/Cal/89. E.I. Du pont de nemours and company. Improved alkaline peroxide treatment of non-woody lignocellulosic substrates.

The 12th April, 1989

- 28 'Cal/89. Westinghouse electric corporation. Improvements in or relating to turbine vane shroud sealing system.
- 282/C.1/89. Hoechst Aktiengesellschaft. Process for the preparation of quinoxalones.

283/Cal/89. Laboratori Guidotti Spa. Amides of cyclo-methylen-1, 2-bicarboxylic acids having therapeutical activity, processes for their preparation and pharmaceutical compositions containing them.

284/Cal/89. International integrated systems, Inc. System of fluid inspection and/or identification.

The 13th April, 1989

285/Cal/89. Leningradsky institut tochnoi mekhaniki I optiki ussr. Electric droplet stream generator.

286/Cal 89. Merck Patent Gesellschaft Mit Beschränkter Haftung. Flaky extender pigment and method for preparing the same.

287/Cal/89. Kauko Rautio. Sawing machine.

288/Cal/89. Liftsonic Limited. A security system. (Convention dated 14-04-1988; 09-06-1988; 10-08-1988 and 06-03-1989) All are U.K.

The 14th April, 1989

289/Cal/89. ADC Telecommunications, Inc. Optical switch.

290/Cal/89. Kinglor Ltd. Process for the automatic formation of a continuous metal tube filled with materials in powder form, direct charging of said continuous filled metal tube to the liquid metal and relevant equipment.

The 14th April, 1989

291/Cal/89. Interatom GmbH. Improvements in or relating to the filling of casting moulds with molten metal.

**APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI**

The 13th March, 1989

231/Del/89. Dr. Mohanlal Gandhi, "An improved rope line".

232/Del/89. Captain Gursaran Singh (Retd.), "A technique to get electrical energy from water, air, or anything by bringing down its temperature, thermocouple working as a reverse heat engine and refrigerator of a new kind".

233/Del/89. The Director, All India Institute of Medical Sciences, "A contraceptive for use by a male".

234/Del/89. Saurabh N. Kinariwala, "A device for imparting a profile to a surface".

235/Del/89. Aerospatiale Societe Nationale Industrielle, "An integrated hub-mast for a gyroplane rotor". [Divisional date 16th July, 1986].

236/Del/89. Shell Internationale Research Maatschappij B.V., "Method and apparatus for measuring wall corrosion".

237/Del/89. Larry Wayne Fullerton, "Time domain radio transmission system".

238/Del/89. The Procter & Gamble Co., "Dye composition and detergent use thereof". (Convention date 14th March, 1988) (U.K.).

The 14th March, 1989

239/Del/89. Ambitious Gold Nib Manufacturing Co. Pvt. Ltd., "An improved fountain pen".

240/Del/89. Sab Nife AB., "An electro-mechanical brake unit, preferably for a rail vehicle".

241/Del/89. VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY PROEKTNO-KONSTRU-KTORSKY I TEKHNOLOGICHESKY INSTITUT VZRYVO-ZASCHISCHENNOGO I RUDNICHNOGO ELEKTROOBORUDOVANIA (VNIIVE), "Electric machine with centrifugal heat transfer tube for rotor cooling".

242/Del/89. Vladimir Alexandrovich Shagun & Others., "Apparatus for applying film coatings onto substrates in vacuum".

243/Del/89. Sab Nife AB, "An actuator".

The 15th March, 1989

244/Del/89. Stig Ravn A/S, "A hand spray with a set of rotating brushes".

245/Del/89. Colgate Palmolive Co., "Anticalculus oral composition".

246/Del/89. Kabushiki Kaisha Toshiba, "Process control system".

247/Del/89. Westinghouse Brake and Signal Holdings Ltd., "Electro-pneumatic brake systems" (Convention date 31st March, 1988) (U.K.).

248/Del/89. Exxon Chemical Patents Inc., "Method of preparing a silica gel supported metallocene alumoxane catalyst".

249/Del/89. Hughes Aircraft Co., "Traveling wave tube with confined-flow periodic permanent magnet focusing".

The 16th March, 1989

250/Del/89. Ward Blenkinsop & Co. Ltd., "Benzophenone derivatives". (Convention date 18th March, 1988) (U.K.).

251/Del/89. La Telemecanique Electrique, "An electromagnet, particularly for actuating the switches of a contact-maker apparatus".

The 17th March, 1989

252/Del/89. Jayanth Devasundaram, "A device for repetitive auditory cues".

253/Del/89. Devendra Singh Arora, "A structural Member".

254/Del/89. David William Eli Blatt, "Monitoring and fault protection of high voltage switch yards". (Convention date 21st March, 1988) (Australia).

255/Del/89. KIEVSKY POLITEKHNICHESKY INSTITUT IMENI 50-LETIA VELIKOI OKTYA-BRASKOI SOTSIALISTICHESKOI REVOLYUTSI, "Apparatus for forming films by evaporation in vacuum".

256/Del/89. Pfizer Hospital Products Group, Inc., "Surgical instrument for establishing compression anastomosis".

257/Del/89. FIZIKO TEKHNICHESKY INSTITUT AKADEMII NAUK-BELORUSSKOI SSR, "Apparatus for finish strengthening the surface of a body of revolution of intricate configuration".

ALTERATION OF DATE

164738 Anti-dated to 16th November, 1984.

(794/Cal/84).

164739 Anti-dated to 30th August, 1985.

(626/Cal/85)

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Biren Dasgupta to the grant of a Patent on application No. 164042 made by Rama Pada Chatterjee.

(2)

An opposition has been entered by Biren Dasgupta to the grant of a Patent on Application No. 164041 made by Rama Pada Chatterjee.

(3)

An opposition has been entered by Samarpan Fabrication Limited to the grant of a patent on application No. 163792 made by Pradip Kumar Routh.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970, application No. 156780 (427/Del/81) of The Secretary of State for Defence in Her Britannic Majesty's Government has been allowed to proceed in the name of Royal Ordnance PLC.

In pursuance of leave granted under section 20(1) of The Patents Act 1970, application No. 50/Del/85 of NECCHI COMPRESSORI S.r.l. has been allowed to proceed in the name of NECCHI SOCIETA PER AZIONI COMPRESSORI S.r.l.

In pursuance of leave granted under Section 20(1) of The Patents Act, 1970, application No. 156541 (428/Del/81) of The Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, has been allowed to proceed in the name of Royal Ordnance PLC.

PATENTS SEALED

| | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|
| 146504 | 162875 | 162919 | 162936 | 162994 | 163067 | 163108 |
| 163240 | 163241 | 163270 | 163279 | 163280 | 163321 | 163322 |
| 163323 | 163335 | 163337 | 163338 | 163339 | 163341 | 163342 |
| 163343 | 163346 | 163347 | 163349 | 163370 | 163379 | 163380 |
| 163383 | 163385 | 163403 | 163406 | 163409 | 163413 | 163430 |
| 163457. | | | | | | |

CAL—15

DEL—13

MAS—8.

RENEWAL FEES PAID

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|--------|--------|--------|--------|--------|--------|--------|
| 140642 | 141007 | 143749 | 143834 | 144027 | 144220 | 144422 |
| 144534 | 144558 | 144870 | 144962 | 145344 | 145355 | 145374 |
| 145854 | 146345 | 146362 | 146527 | 146694 | 146728 | 146747 |
| 146818 | 146888 | 146948 | 147141 | 147264 | 147306 | 147309 |
| 147418 | 147555 | 147728 | 147729 | 147919 | 148622 | 148937 |
| 148996 | 149277 | 149350 | 149369 | 149496 | 149648 | 149649 |
| 149690 | 150021 | 150072 | 150159 | 150423 | 150456 | 150672 |
| 150924 | 150952 | 150959 | 150990 | 151122 | 151529 | 151894 |
| 151791 | 152019 | 152221 | 152394 | 152675 | 152705 | 152732 |
| 152836 | 152894 | 152912 | 152949 | 153067 | 153076 | 153219 |
| 153620 | 153916 | 153968 | 154163 | 154181 | 154208 | 154492 |
| 154544 | 154580 | 154594 | 154779 | 154960 | 155041 | 155057 |
| 155128 | 155190 | 155352 | 155373 | 155412 | 155692 | 155767 |
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| 155985 | 156107 | 156179 | 156307 | 156439 | 156490 | 156527 |
| 156625 | 156631 | 155654 | 156755 | 157035 | 157095 | 157103 |
| 157132 | 157140 | 157147 | 157222 | 157383 | 157419 | 157579 |
| 157580 | 157635 | 157637 | 157655 | 157664 | 157683 | 157799 |
| 157814 | 158214 | 158215 | 158272 | 158383 | 158419 | 158451 |
| 158452 | 158453 | 158495 | 158594 | 158627 | 158647 | 158724 |
| 158726 | 158806 | 158832 | 158833 | 159950 | 159099 | 159122 |
| 159125 | 159152 | 159196 | 159401 | 159445 | 159599 | 159611 |

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|--------|--------|--------|---------|--------|--------|--------|
| 159659 | 159781 | 159792 | 159793 | 159844 | 159974 | 160056 |
| 160118 | 160121 | 160157 | 160158 | 160308 | 160319 | 160362 |
| 160378 | 160411 | 160500 | 160613 | 160704 | 160788 | 160995 |
| 161021 | 161048 | 161050 | 161076 | 161225 | 161439 | 161513 |
| 161677 | 161688 | 161716 | 161741 | 161743 | 161765 | 161770 |
| 161888 | 161996 | 162041 | 162043 | 162044 | 162106 | 162171 |
| 162202 | 162208 | 162212 | 162265 | 162275 | 162336 | 162345 |
| 162411 | 162440 | 162463 | 162466 | 162480 | 162567 | 162634 |
| 162635 | 162665 | 162694 | 162791 | 162831 | 162836 | 162837 |
| 162838 | 162867 | 163036 | 164820. | | | |

CESSATION OF PATENTS

153265 160423.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 154181 dated 10th August 1983 made by Subhanian Mohanty on the 7th June 1988 and Notified in the Gazette of India, Part III, Section 2 dated the 3rd December, 1988 has been allowed and the said patent restored.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 189 164721
Int. Cl. : A 61 K—7/12.

PROCESS FOR MAKING A HAIR DYEING COMPOSITION.

Applicant : WELLA AKTIENGESSELLSCHAFT, BERLINER ALLEE 65, 6100 DARMSTADT, F.R. GERMANY.

Inventors : Dietrich Hoch, Eugen Konrad.

Application No. 380/Cal/1985 filed 18th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

6 Claims

Process for making a hair dyeing composition for oxidatively dyeing human hair by mixing a carrier material and a dye mixture with proportions as herein described and exemplified dissolved therein characterized in that the carrier material is formed from (1) 16 to 30% by weight of a mixture of a) 0.2 to 5.0% by weight of at least one physiologically acceptable water soluble inorganic salt selected from ammonium, sodium or potassium sulphite, sulphate or chloride (b) 1.4 to 5.0% by weight of sodium-lauryl-alcohol-diglycol ether sulphate, (c) 0.5 to 6.0% by weight of coconut fatty acid diethanol amide (d) 4.0 to 14.0% by weight of a mixture of 60 to 80 parts by weight of cetyl stearyl alcohol, 10 to 30 parts by weight of glycerin monodistearate and 0 to 20 parts by weight of wool wax alcohol and (e) 0.1 to 2.0% by weight of ammonia, (4) 0 to 5% by weight of an aliphatic alcohol, (5) 0 to 1% by weight of a perfume oil and (6) 0 to 0.5% by weight of a complexing agent for heavy metals and the dye mixture contains at least one of the developer substances 1, 4-diamino benzene, 2, 5-diamino-toluene, 2, 5-diamine anisole and tera mino-pyrimidine and one of the coupling substances 1-naphthol, 4-methoxy-1-naphthol, resorcinol, 4-chloro resorcinol, 2-methyl resorcinol 2-4 dihydroxy anisole 2, 4-dihydroxy-phenoxy ethanol, 4, hydroxy-1, 2-methylene dioxy benzene, 4-amino-1, 2 methylene dioxy benzene, 4-(p-hydroxy ethyl-amino)-1, 2 methylene dioxy benzene, m-amino-phenol and 5-amino-2-methyl phenol the total amount of the developer substances-coupling substance combination ranges from 0.1 to 5.0% by weight.

Compl. specn. 16 pages

Dr. Nil

CLASS : 39 E & 32 F.

164722

Int. Cl. : C 07 139/00.

A PROCESS OF REDUCING THE INORGANIC SULFUR-CONTAINING ACID AND THE LOW EQUIVALENT WEIGHT ORGANIC SULFONIC ACID CONTENT OF AN ACID MASS COMPRISING ORGANIC SULFONIC ACID COMPONENTS & INORGANIC SULFONATING AGENT ACID CONTAMINANTS TO OBTAIN AMMONIUM SALTS OF ORGANIC SULFONIC ACIDS AND/OR OIL SOLUBLE METAL SALTS OF THE SAME.

Applicant : THE LUBRIZOL CORPORATION, 29400, LAKE LAND B.V.D., WICKLIFFE, OHIO 44092, U.S.A.

Inventors : THOMAS FREDERICK, ALBERT FIERK BAUMANN.

Application No. 437/Cal/85 filed 10th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims

A process of reducing the inorganic sulfur-containing acid and the low equivalent weight organic sulfonic acid content of an acid mass comprising organic sulfonic acid components and inorganic sulfonating agent acid contaminants to obtain ammonium salts of organic sulfonic acids and/or oil soluble metal salts of the same, comprising the steps of :

- treating the acid mass with ammonia in the presence of water and an oleophilic alcohol selected from the group consisting of amyl alcohols and hexanols to neutralize the acids in said mass and to form a mixture containing the ammonium salts of said acids;
- allowing separation of the mixture to provide a lower aqueous phase containing water-soluble ammonium salts and an upper phase comprising the oleophilic alcohol and ammonium salts of the organic sulfonic acids;

(c) recovering at least a portion of said upper phase, and when desired;

(d) the upper phase recovered in step (c) is subjected to at least one additional extraction whereby the upper phase is contacted with water, the phases are allowed to separate the upper phase being treated to remove water and alcohol and further wherein water is added to the mixture upon completion of the neutralization of step (a) and prior to step (b) and thereafter, when desired converting the ammonium salts of the organic sulfonic acids contained in the said upper phase to oil soluble metal salts of the same by reacting with a basically reacting metal compound.

Compl. specn. 41 pages

Drg. Nil

CLASS :

164723

Int. Cl. : B 23 Q 11/00.

APPARATUS FOR THE PREVENTION OF CONDENSATION ON COOLED TOOLS OF PLASTIC OR SYNTHETIC MATERIAL MACHINES.

Applicant : GOTTFRIED AMANN & SOHN GES. M.B.H. & CO., RHEINHOFSTRASSE 3, A-6845 HOHENEMS, AUSTRIA.

Inventors : EMMO AMANN.

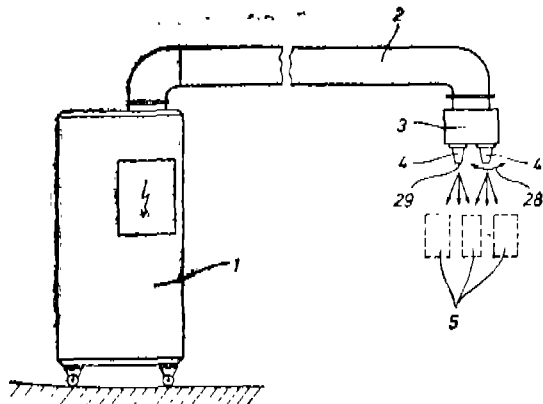
Application No. 579/Cal/85 filed 6th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

8 Claims

Equipment for preventing the build up of condensation on tool that are heated during operation and are cooled by a flow of coolant, especially in the case of plastic moulding machines comprising that in the area of tools (5), (31), (32), a dry air veil is produced by direct blowing of dry air on of the tools (5), (31), (32) through outlet nozzles (4) of the same shape and size as tools and by their suitable angular positioning of evenly distribution of the dry air which comprises :

a precooler/per drier (7) and a drier (9) working on the absorption principle introduced in series in the main air flowing duct to produce dry air of required temperature and humidity controlled by the measuring devices (34) for supply to the nozzles (4).



Compl. specn. 19 pages

Drg. 3 sheets

CLASS :

164724

Int. Cl. : D 05 B 1/00, 27/00, 33/00, 71/00.

PNEUMATIC ACTION ACCESSORY HOLDING DEVICE PARTICULARLY FOR INDUSTRIAL SEWING MACHINES.

Applicant : PROFEEL S.R.L., OF SORA (FR) VIA CHIESA NUOVA 22, ITALY.

Inventors : ANTONINO ROMANO.

Application No. 631/Cal/85 filed 3rd September, 1985.

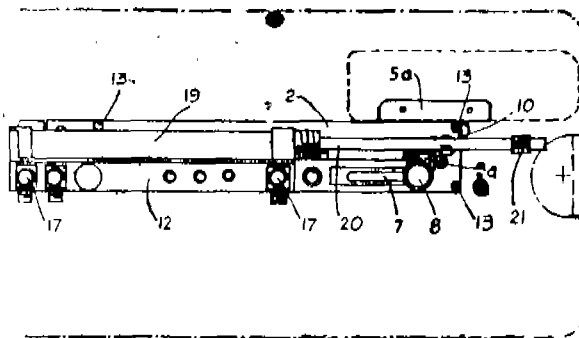
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

10 Claims

A pneumatic action accessory holding device, particularly for industrial sewing machines, characterized by the fact of comprising :

a slider (5) provided with an accessory holder profiled plate (5a) firmly connected to a leg (22) which can be registered along its movement and is controlled by a rod (20) of a pneumatic double acting cylinder (19) which operates by a motor fluid, said accessory holding slide (5) being movable along a sliding seat (4) provided among base plates (1, 2) on which said pneumatic cylinder (19) is mounted along with a distributor (12) for feeding the motor fluid to said pneumatic cylinder; means (7, 8) for adjusting the limit stop of said accessory holder and means (11) for anchoring said distributor (12) on said base plates in different position;

the position of said base on an industrial sewing machine being established directly or through suitable fixing means for which suitable seats (23) are provided, the position of said base being dependent on the different machines.



Compl. specn. 13 pages

Drg. 4 sheets

CLASS : 128 K

164725

Int. Cl. : A 61 b—17/00.

SURGICAL INSTRUMENT.

Applicant : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I ISPYTATELNY INSTITUT MEDITSINSKOI TEKHNIKI, OF ULITSA KASATKINA, 3, MOSCOW, USSR.

Inventors : ERNEST MIKHAILOVICH AKOPOV, VALERY EVGENIEVICH SCHITNIN, ANNA VLADIMIROVANA ARAPOVA.

Application No. 642/Cal/85 filed 10th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

11 Claims

A surgical instrument for placing linear staple sutures, comprising :

a body having a closed rectangular frame wherein each of its opposite lateral sides has slot or projection situated on its inner surface close to the side of said frame adjacent to said opposite sides thereof namely a third side;

the axis of said slot projection being parallel to the respective lateral side of said frame;

a die provided with a number of recesses and so secured on the said third side of said frame that the extreme die portions incorporating the extreme recesses are arranged inside the slots or encompass the respective projections in the frame lateral sides;

a staple head situated in the body opposite to the die and movable with respect thereto;

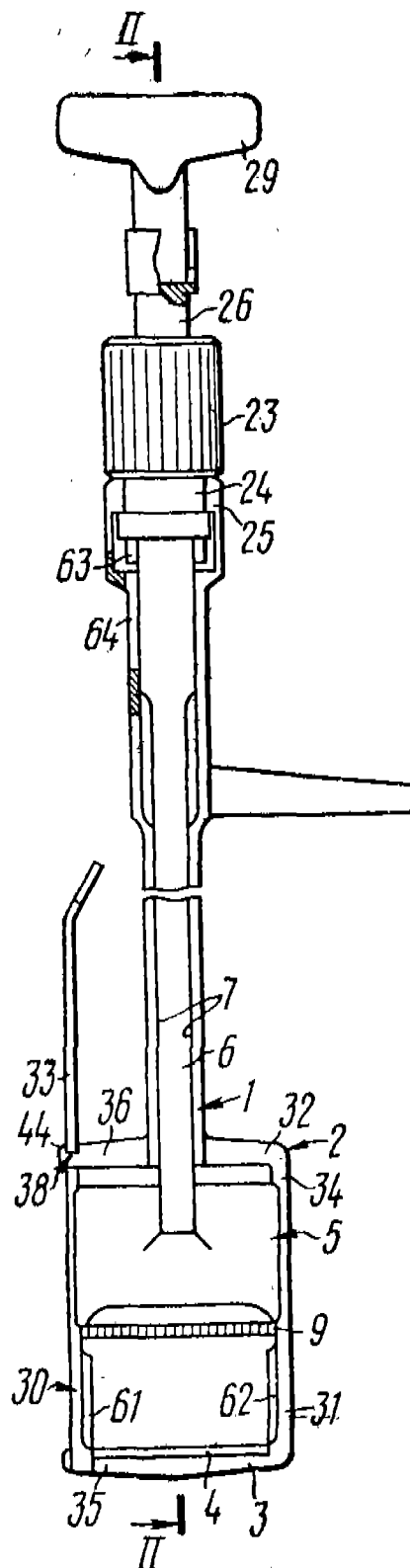
a detachable staple magazine adapted to be set in the staple head stationary with respect to the latter;

said staple head stationary with respect to the latter;

said staple magazine having a plurality of staple slots and, when in the suturing position;

said staple magazine is set with its portions incorporating extreme staple slots, into the slots in the frame lateral sides opposite to the respective extreme die recesses;

a staple ejector transversably fitted in the staple head and so arranged as to correspond to the staple slots of the magazine, said body of the instrument also having a staple head actuator and a staple ejector actuator accommodated in the said frame.



Compl. specn. 32 pages

Drq. 7 sheets

CLASS : 32-D

164726

Int. Cl. : C 07 f 1/00 to 5/00.

CORROSION-INHIBITING COMPOSITIONS AND OIL COMPOSITIONS CONTAINING SAID CORROSION-INHIBITING COMPOSITIONS.

Applicant : THE LUBRIZOL CORPORATION, 29400
LAKELAND BLVD. WICKLIFFE, OHIO 44092, U.S.A.

Inventors : (1) RICHARD WILLIAM JAHNKE, (2)
WILLIAM CONNER WOERNER.

Application No. 688/Cal/85 filed September 30, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

27 Claims

A corrosion-inhibiting composition comprising a mixture
of :

- (A) at least one oil-soluble neutral or basic alkali
metal salt or complex of at least one organic acid;
and
- (B) at least one nitrogen-and boron-containing organic
carboxylic acid based composition the weight
ratio of (A) : (B) being from 5.1 to 1.5 with or
without (C) at least one inert normally liquid organ-
ic diluent.

Compl. specn. 47 pages.

Drg. 1 sheet

CLASS : 172-C₉

164727

Int. Cl. : D 01 g 9/14.

IMPROVEMENT IN BALE OPENERS ARRANGED
FOR A BACK AND FORTH TRAVEL ALONG A
SERIES OF STRONGLY SUPPORTED FIBRE BALES.

Applicant : TRUTZCHLER GMBH & CO. KG., OF
DUVENSTR. 82-92 D-4050 MONCHENGLADBACH 3,
FEDERAL REPUBLIC OF GERMANY.

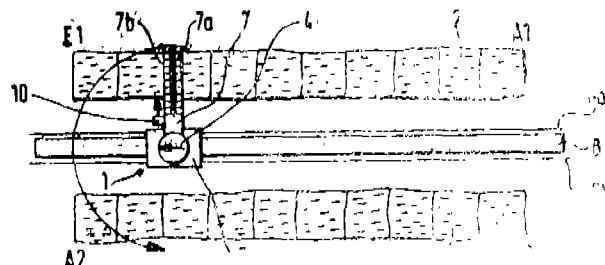
Inventors : (1) FERDINAND LEIFELD, (2) PAUL
TEICHMANN.

Application No. 705/Cal/85 filed October 04, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office, Calcutta.

18 Claims

In a bale opener arranged for a back-and-forth travel
along a series of stationarily supported fiber bales, including
a detaching means supported above the fiber bales for pro-
gressively removing fiber tufts from upper bale faces during
travel of the bale opener; the improvement comprising
search means for detecting foreign bodies in the fiber
bales during operation of the bale opener; said search means
mounted on said bale opener for travel therewith, said
search means being situated upstream of the detaching
means as viewed in the direction of movement of said
bale opener and being oriented to scan the stationery fiber
bale being worked on by the bale opener for detecting
foreign bodies at the locations within the fiber bale prior
to an arrival of said detaching means in said locations.



Compl. specn. 23 pages

Drg. 7 sheets

Int. CLASS : C 09 d 3/49

164728

A COATING COMPOSITION THAT CAN BE APPLI-
ED TO MARINE SURFACES.

Applicants : (1) GOVERNMENT OF THE UNITED
STATES, REPRESENTED BY THE SECRETARY OF
THE NAVY, CONTRACT NO. N 00600-76-1002; U.S.A. (2)
MIDWEST RESEARCH INSTITUTE, OF 425 VOLKER
BLVD. KANSAS CITY, MISSOURI-64110, U.S.A.

Inventors : (1) ALBERT LOUIS KIMMEL, (2) CECIL
CLENDIS CHAPPELOW, JR., (3) VINCENT JOHN
CASTELLI.

Application No. 763/Cal/85 filed October 30, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A coating composition that can be applied to marine
surfaces to form a durable, tough, flexible film and can re-
lease an effective amount of a marine biocide, which com-
prises :

- (a) 45 to 46 parts of a coating composition solvent;
- (b) a portion soluble in the solvent comprising 8 to
28 parts of a film-forming organotin acrylin poly-
mer composition such as herein described and
1 to 6 parts of a metal-free acrylic polymer com-
position such as herein described and;
- (c) portion insoluble in the solvent comprising 6 to
30 parts of a cross-linked organotin acrylic poly-
mer composition having sufficiently small suspen-
dable particle size and 3 to 34 parts of an inorga-
nic filler comprising a byorite, a silica, a silicate,
a clay, or a mixture thereof, all parts based upon
100 parts coating composition.

Compl. specn. 22 pages

Drg. Nil

CLASS : 172-C₁

164729

Int. Cl. : D 01 g 15/80.

A DEVICE TO FEED A CARD OR CARDING
ENGINE BY MEANS OF TWO CHARGING HOLES.

Applicant : TRUTZSCHLER GMBH & CO. KG, OF
DUVENSTRASSE 82-92, D-4050 MONCHENGLADBACH
3, WEST GERMANY.

Inventors : DIETER RUDOLPH.

Application No. 10/Cal/86 filed January 02, 1986.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

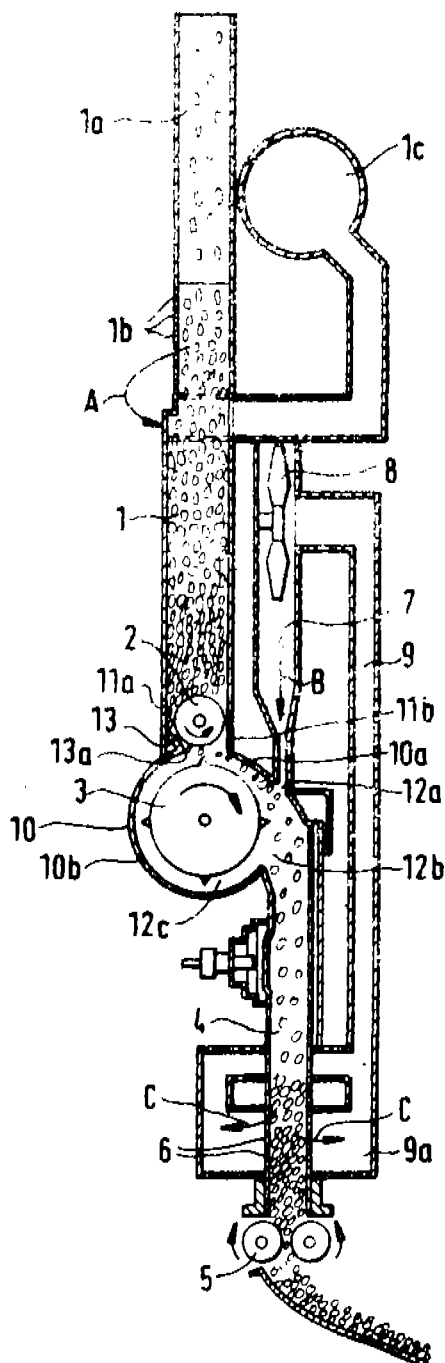
8 Claims

An apparatus for feeding a fiber lap to a card, including
an upper reserve chute having an upper end through which
fiber material is introduced into the apparatus,

- a feed roller situated at a lower end of said reserve
chute and arranged for withdrawing fiber material
from said reserve chute;
- a feed chute having an upper end situated adjacent to
the lower end of said chute;
- an opening roller situated in a space between the lower
end of the reserve chute and the upper end of the
feed chute;
- said opening roller being arranged under the feed
roller to receive fiber material therefrom and to
advance the fiber material into said feed chute
through the upper end thereof;
- delivery rollers arranged at a lower end of said feed
chute for withdrawing fiber material therefrom as
a fiber lap; and

air circulating means for introducing a compressing air stream through the upper end of said feed chute, driving the air stream through said feed chute to compress fiber material therein and withdrawing air from openings in a lower portion of said feed chute, means for rotating said feed roller and said opening roller simultaneously in opposite directions relative to one another; and

means, forming part of said air circulating means, for guiding the compressing air stream adjacent said opening roller codirectionally with the rotary direction thereof.



Int. CLASS : B 26 d 5/00

164730

A GUARD TO PROTECT AN OPERATOR AND BY-STANDERS FROM STRAY OBJECTS IMPACTED AND THROWN OUTWARDS BY A CUTTER BLADE AND A HOUSING PART FOR A ROTARY CUTTING MACHINE INCLUDING SAID GUARD.

Applicant & Inventor : SECK WING CHEE, OF 25 JALAN UNGGAS, SINGAPORE-1129.

Application No. 26/Cal/86 filed January 14, 1986.

Convention dated 11th June, 1985 and 3rd July, 1985 (G.B. 8514667 and G.B. 8516793) Both are U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A guard to protect an operator and bystanders from stray object impacted and thrown outwards by a cutter blade rotatable about an axis in a non-airlift cutting machine,

the blade being rotatable in a circumferential direction about said axis;

the guard comprising a roof and skirt, the skirt being connected to the roof, the roof having at least one associated mounting part by which it is mountable on the machine;

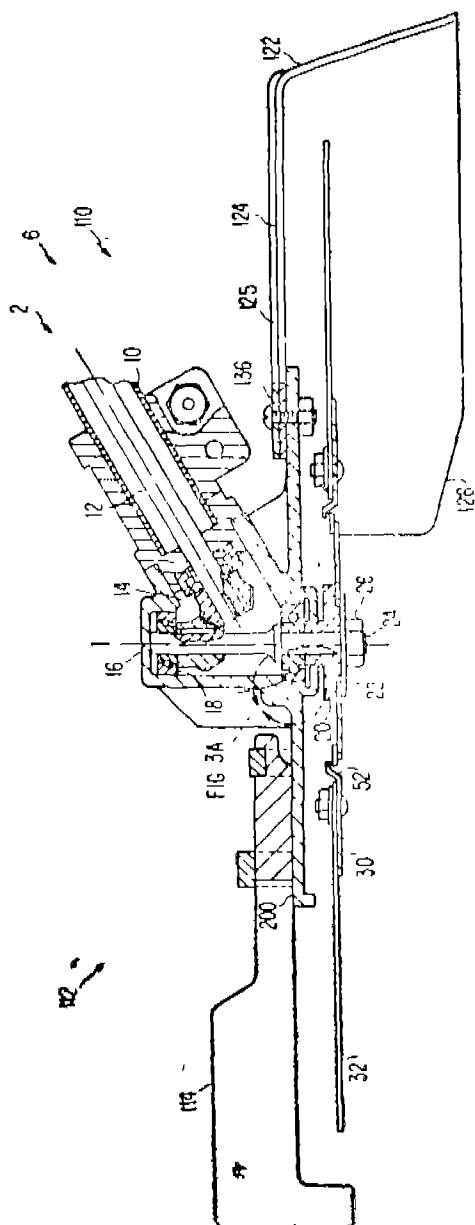
the skirt having a first section with circumferentially spaced openings and a second substantially imperforate section;

the guard including a plurality of guard elements each comprising a depending finger and a leg, each leg having a vertical dimension parallel to said axis and a circumferential dimension perpendicular to said axis and in the blade rotational direction;

the fingers providing said first section of said skirt and the legs providing part of said roof;

said mounting part of said roof being at a position such that a vertical spacing in the direction parallel to said axis is created between a leg and a cutter blade when the guard is mounted on the machine;

the leg having a vertical dimension sufficiently greater than its circumferential dimension at least along a part of its length between its outer end and said mounting part to define an enlarged part providing an obstruction to objects propelled substantially tangentially by a blade.



Compl. specn. 32 pages

Drg. 7 sheets

Int. Cl. : A 231 1/10; A 23 g 1/00

164731

A METHOD OF PRODUCING SOFT COOKIES.

Applicant : NABISCO BRANDS INC., AT NABISCO BRANDS PLAZA, PARSIPPANY, NEW JERSEY 07054, U.S.A.

Inventors : (1) MARK VINCENT COCCO, (2) ROBERT EDGAR ROSS, (3) ROBERT RAYMOND THULIN.

Application No. 95/Cal/86 filed February 10, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A method for producing a soft cookie comprising :

- (a) coextruding a filler cookie dough bakeable to a soft cookie crumb texture and a casing cookie dough bakeable to a soft but firmer cookie crumb

2-77 GI/89

texture than the baked filler dough, the filler dough comprising flour, shortening or fat, and a humectant for imparting softness to the baked filler dough, the casing dough comprising flour, sucrose, shortening or fat, and a humectant in a total amount which is greater than 25% by weight, based upon the total sugar solids content of the casing dough, selected from the group consisting of non-sucrose sugar humectants, non-sugar humectants, and mixtures thereof, the water-holding capacity of the humectant of the casing dough being less than the water-holding capacity of the humectant of the filler dough at the same shelf-stable water activity of the cookie, wherein : (1) the humectant content of the casing dough, and (2) the difference in the water-holding capacities are effective for prompting the firmer texture, the sucrose content of the casing dough being less than 75% by weight, based upon the total sugar solids content of the casing dough;

- (b) severing the coextrudate into pieces to enrobe the filler cookie dough; and

- (c) baking the pieces to obtain cookies having a moisture content of at least 6% by weight, based upon the weight of the cookie, and a plurality of textures which is shelf stable for at least two months when the cookie is packaged in a closed container, the cookies having a water activity of less than about 0.7.

Compl. specn. 30 pages

Drg. Nil

CLASS : 47-C

164732

Int. Cl. : C 05 b 35/00, 41/00.

A NOVEL SYSTEM FOR ACHIEVING ALIGNMENT AND INTERLOCKING BETWEEN PUSHER CAR AND COKE GUIDE CAR ON PUSHER AND COKE SIDES RESPECTIVELY OF AN OVEN CHAMBER OF A COKE OVEN.

Applicant : OSTO INDIA PRIVATE LIMITED. AT F/16, SECTOR-2, ROURKELA-2, ORISSIA, INDIA.

Inventors : (1) VASANT VIRUPAXAPPA SHESHGIRI, (2) VISWANATH SIVARAMAKRISHNAN.

Application No. 115/Cal/86 filed February 18, 1986.

Complete Specification left on 19th January, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A system for achieving alignment and interlocking between pusher car and coke guide car at pusher and coke sides respectively of an oven chamber of a coke oven battery for pushing the coke mass out of the oven chamber comprising :—

- a first electrical conductor segment disposed outside and in line with the coke side door of each oven chamber and a second electrical conductor segment disposed outside and in line with the pusher side door of each oven chamber;

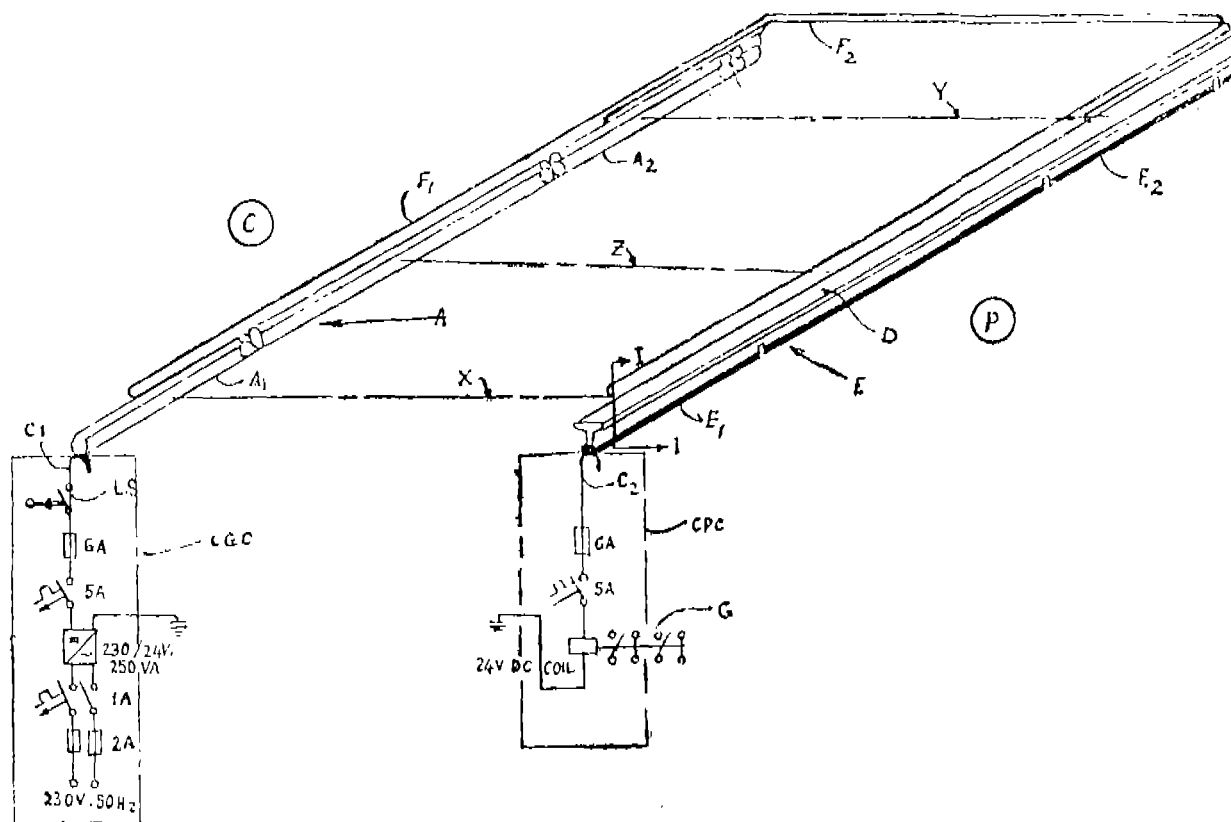
the electrical conductor segment provided at the coke side of an oven chamber being electrically connected to the electrical conductor segment provided at the pusher side of that oven chamber, each electrical conductor segment being electrically separated from all other electrical conductor segments provided in respect of other oven chamber of the coke oven battery;

- a power supply means for feeding a supply of electrical current at a controlled voltage to one of the electrically interlinked electrical conductor segments whenever the respective coke guide car or the pusher car comes alongside thereto and stays in alignment with the coke side door or the pusher side door

respectively of the oven chamber;
said supply of electrical current being transmitted through electrical connection to the other interlinked electrical conductor segment wherefrom the supply of electrical current is tapped by a power collector as soon as the pusher car and the coke guide car

come in alignment with the pusher side door and coke side door respectively of the coke oven chamber;

said collector being adapted to switch on an indicating signal and/or to release the interlock on the forward motion of pusher beam.



Prov. specn. 10 pages

Prov. Drg. 1 sheet

Compl. specn. 13 pages.

CLASS : 128-G & C

164733

Compl. specn. 6 pages

Drg. Nil

Int. Cl. : A 61 c 19/04.

Provl. specn. 3 pages

Drg. Nil

A DEVICE FOR DETERMINING GUM PRESSURE.

CLASS : 172-C₁

164734

Applicant & Inventor : GITA BANERJEE, OF 8B, SEBAK BAIDYA STREET, CALCUTTA-700 029, WEST-BENGAL STATE, INDIA.

Int. Cl. : D 01 g 15/00; D 01 g 27/00.

Application No. 252/Cal/86 filed 31st March, 1986.

THE FIXTURE AT A CARD WITH A SILVER LOADING DEVICE.

Complete Specification left on 18th March, 1987.

Applicant : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTR. 82-92 D-4050 MONCHENGLADBACH 3, WEST GERMANY.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Inventors : (1) JURGEN KLUTTERMANN, (2) HERMANN TRUTZSCHLER.

4 Claims

Application No. 316/Cal/86 filed April 23, 1986.

A device for determining gum pressure comprising :

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

a Sensing head and a measuring unit;

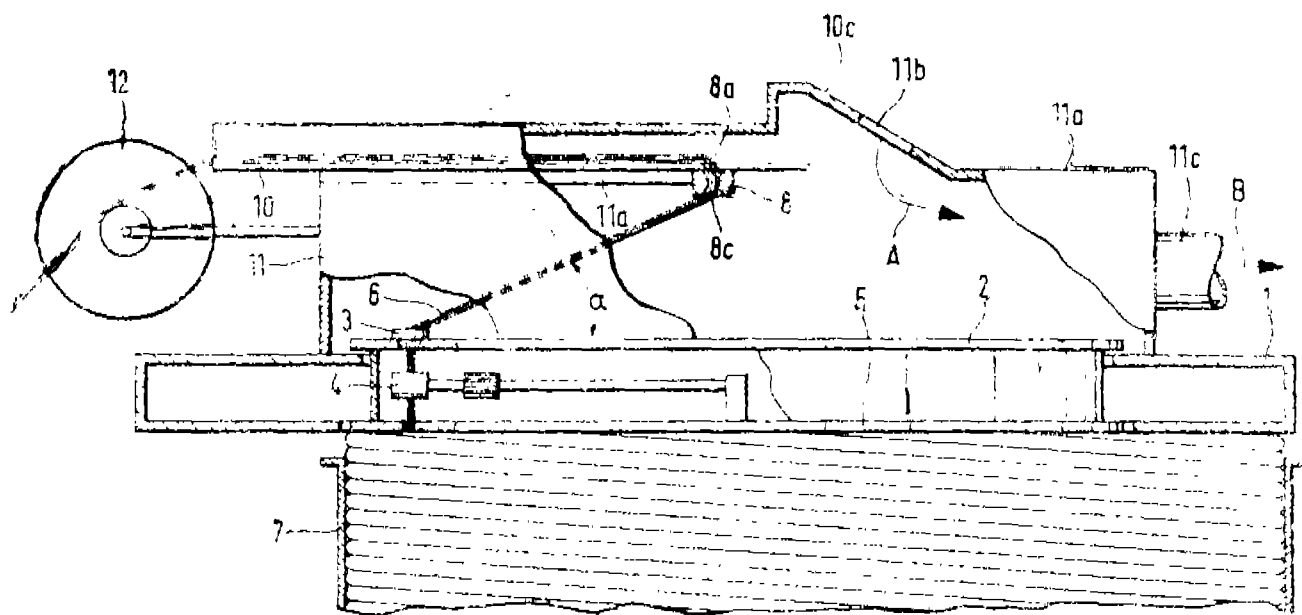
8 Claims

said sensing head comprising a pair of metallic plates having their faces disposed vertically and parallelly and being embedded in carbon granules enclosed in an elastic enclosure such as rubber bulb and said measuring unit being adapted to measure the electrical resistance between the said pair of metallic plates to which said measuring unit is connected electrically.

A fixture at a card with a silver loading device (can stock), where the sliver runs over a bearing position and is guided from there into a funnel (3) situated in a rotary head (2), wherein the bearing position (8) is placed in the upper cover area (11a) of a hood (11), which is stretched over an area of sliver loading device and at least one air inlet opening (11b) is provided in the cover area (11a) of the hood (11) the distance between the

bearing position (8) and the rotary head (2) is equal to or less than the radius of the rotary head (2) and at least

one more bearing position (10), e.g. a metal plate, a roller is placed before the tracer element (8).



Compl. specn. 11 pages

Drg. 3 sheets

Int. CLASS : E 21 b 21/00

164735

A PROCESS FOR RECOVERY OF OIL.

Applicant : INDUSTRIKONTAKT ING. O. ELLINGSEN & CO., OF KLEIVA 20, N-6900 FLOR, NORWAY.

Inventor : OLAV ELLINGSEN.

Application No. 867/Cal/86 filed December 01, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

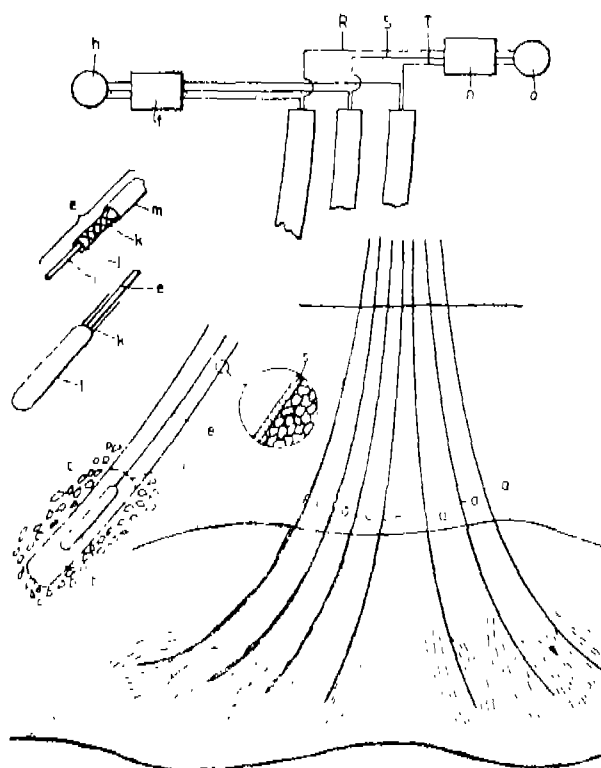
4 Claims

A process for extraction of oil or other volatile liquids from oil reserves on land or at sea comprising :

causing the formations in said reserves to vibrate as close to the natural frequency of said formations as possible by electric stimulation by means of the electrodes placed in at least two adjacent well bores;

characterised in that well bore(s) is (are) filled with a metallic liquid in a height zone corresponding to the height of the formation(s);

said metallic liquid is vibrated by means of inserted vibrator(s) and at the same time electric stimulation is performed by applying an alternating electric current to the said metallic liquid, acting as electrode.



Compl. specn. 7 pages

Drg. 4 sheets

Int. CLASS : B 22 c 9/00

164736

A CORE SETTER FOR USE IN PLACING ONE OR MORE CORES IN THE MOLD IMPRESSION.

Applicant : DANSK INDUSTRI SYNDIKAT A/S, OF HERLEV HOVEDGADE 15-17, 2730 HERLEV, DENMARK.

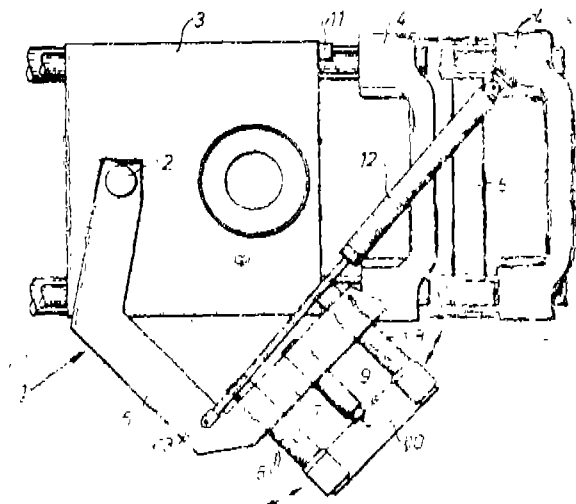
Inventor : SREN ERIC KNUDSEN.

Application No. 69/Cal/87 filed January 22, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A core setter for use in placing one or more cores in the mould impression in the rearmost of a number of mould parts (5) or in the mould impression on the front of the subsequent mould part during conveyance from the moulding chamber, such mould part having been made in a vertical moulding system and during conveyance towards a pouring line, characterized in that the core setter comprises an essentially L-shaped swingable arm (1), at its one end (6) being pivotally journaled around a vertical axis (2), and its other end (7) designed for accepting a core-retaining means (10), whereby the swingable arm (1) can be swung between a core-releasing position, in which the core-retaining means (10) is placed behind the rearmost mould part (5) and in line with it, and a core-loading position outside the line of mould parts (5), and that means (8, 9) are provided to convey the core-retaining means (10) translationally towards and away from the mould impression in the release position.



Compl. specn. 9 pages

Drg. 2 sheets

Int. CLASS : C 01 g 3/02

164737

PROCESS OF PRODUCING COPPER HYDROXIDE.

Applicant : NORDDEUTSCHE AFFINERIE AKTIENGESELLSCHAFT, OF ALSTERTERRASSE 2, D-2000, HAMBURG 36, WEST GERMANY.

Inventors : (1) BERND LANGNER, (2) RENE-HOLGER WILDE.

Application No. 162/Cal/87 filed March 03, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process of producing blue copper hydroxide, wherein copper metal is treated with an ammonium ion-containing

aqueous solution with stirring and with a simultaneous introduction of an oxygen-containing gas and the reaction product is separated from the copper metal, characterized in that particulate, floatable copper (II) hydroxide is produced in that a material which contains copper metal is treated at a temperature of 0 to 40°C with a solution which contains 0.1 to 10 g/l ammonium salt (calculated as NH_4), 0 to 10 g/l ammonium hydroxide (calculated as NH_3) and if desired, 0 to 5 g/l copper (II) salt and the resulting copper (II) hydroxide is separated.

Compl. specn. 10 pages

Drg. Nil

CLASS : 155-C

164738

Int. CLASS : D 06 m 15/58.

SIZING COMPOSITION FOR SIZING GLASS FIBRES.

Applicant : ISOVER SAINT-GOBAIN, "LES MIROIRS" OF 18 AVENUE D'ALSACE, 92400 COURBEVOLE, FRANCE.

Inventors : (1) ROGIER FUGIER, (2) CHARLES DE GOYS DE MEZERAC, (3) JACKY JOACHEM, (4) MICHEL DECAGNY.

Application No. 175/Cal/87 filed March 05, 1987.

Divisional of Appln. No. 794/Cal/84 Anti-dated to 16th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Sizing composition for sizing glass fibres based on a condensation product of phenol, formaldehyde and urea, prepared by the process claimed in co-pending Application No. 794/Cal/84, to be used for sizing glassfibres, also containing conventional sizing additives and additional urea, characterised in that the condensation product is liquid and has a free phenol content below 0.5%, a free formaldehyde content below 3%, expressed by weight based on the total weight of liquid and a dilutability, measured at 20°C, at least equal to 1000% and in that the proportions of the condensation product, calculated in parts of dry matter and of additional urea, are within the range of from 65 parts of condensation product for 35 parts of additional urea to 90 parts for 10 parts thereof, preferably 80 parts of condensation product for 20 parts of additional urea.

Compl. specn. 16 pages

Drg. Nil

CLASS :

164739

Int. CLASS : A 24 d 1/18.

SMOKING ARTICLE.

Applicant : R. J. REYNOLDS TOBACCO COMPANY, OF 403 NORTH MAIN STREET, CITY OF WINSTON-SALEM, STATE OF NORTH CAROLINA 27102, U.S.A.

Inventors : (1) ANDREW JACKSON SENSABAUGH, JR, (2) HENRY THOMAS RIDINGS, (3) JOHN HUNGHES REYNOLDS IV, (4) MICHAEL DAVID SHANNON, (5) ERNEST GILBERT FARRIER.

Application No. 808/Cal/87 filed October 16, 1987.

Divisional of Appln. No. 626/Cal/85 Anti-dated to 30th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

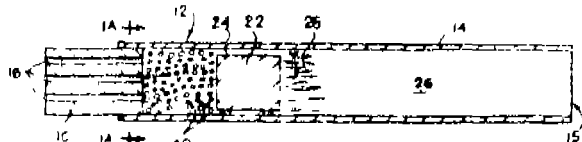
28 Claims

An elongated smoking article comprising in combination, and having embodied in a unitary structure :

- (a) a carbonaceous fuel element;
- (b) a aerosol generating means associated with said fuel element in operative relationship therewith,

said aerosol generating means including a substrate bearing an aerosol forming material such as herein described and thus receive heat from the fuel element;

- (c) an insulating member surrounding at least a portion of the fuel element and/or the aerosol generating means; and
- (d) a mouthend piece.



Compl. specn. 49 pages.

Drugs. 3 sheets

CLASS :

164740

Int. CLASS : C 07 c 121/40.

A PROCESS FOR THE PREPARATION OF PYRETHROID TYPE ESTER COMPOUNDS.

Applicant : LUCKY, LTD., OF 20, YOIDO-DONG,
YONGDUNGPO.GU, SEOUL, 150, REPUBLIC OF
KOREA.

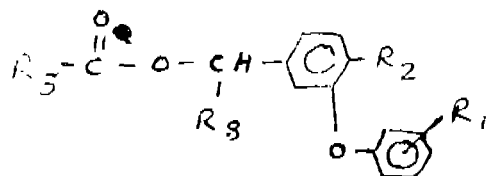
Inventors : (1) SANG HUN JUNG, (2) SEUNG KYUM KIM.

Application No. 97/Cal/88 filed February 04, 1988.

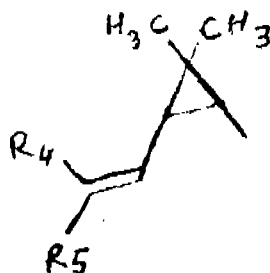
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

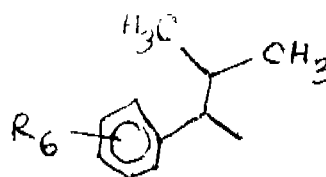
A process for the preparation of a pyrethroid ester compound of the general formula (I) :



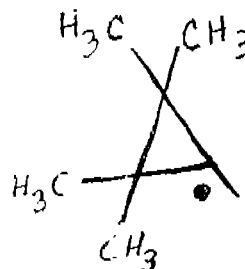
wherein R_1 and R_2 are the same or different from each other and represent a hydrogen or a halogen atom; R_3 represents group of formula a, b or c, (wherein R_4 and R_5 represent a chlorine or bromine atom or a methyl group when R_4 is identical to R_5 , but R_4 represents a chlorine or bromine atom or a methyl group and R_5 represents a trifluoromethyl group when R_4 is different from R_5 and R_6 represents a halogen atom or difluoromethoxy group); and R_8 represents a cyano group, which comprises reacting an organic acid of the general formula (II),



(a)

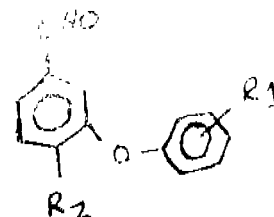
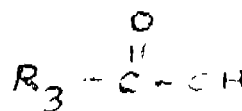


(b)

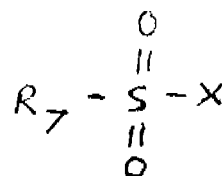


(c)

wherein R₃ has the same meaning as before, an aldehyde of the general formula (III)



wherein R₁ and R₂ have the same meaning as before and a water-soluble cyanide such as herein described with a sulphonyl compound of the general formula (IV)



wherein R₇ represents an aryl, alkyl or an optionally substituted aryl and X is a halogen, azide, cyanide, imidazole, triazole, nitrotriazole or tetrazole, in the presence of a two-phase solvent system consisting of water and a substantially water-immiscible aprotic solvent such as herein described and a phase transfer catalyst such as herein described and then reacting the reaction mixture with a water-soluble inorganic base.

Compl. specn. 24 pages

Dwg. 4 sheets

Int. Cl.⁴ : C 06 B 31/02.

164741

CAST EXPLOSIVE COMPOSITION AND A METHOD OF FORMULATING THE SAME.

Applicant : IRECO INCORPORATED, A CORPORATION OF THE STATE OF DELAWARE, OF ELEVENTH FLOOR, CROSS ROADS TOWER, SALT LAKE CITY, UTAH, 84144, UNITED STATES OF AMERICA.

Inventor : HARVEY ALLRED JESSOP.

Application No. 266/Mas/85 filed 4th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

16 Claims. No drawing

A cast explosive composition, which comprises a water-in-oil emulsion formulated at an elevated temperature of from 5°C to 200°C but which becomes cast upon cooling at ambient temperature, the said composition comprising inorganic oxidizer salt selected from the group consisting of ammonium, alkali and alkaline earth metal nitrates, chlorates and perchlorates and mixtures thereof; a known water-immiscible organic liquid fuel; less than 5% water by weight of the total composition; and a known emulsifier in an amount of 0.2% to 5% by weight which allows the formation of a water-in-oil emulsion at the elevated formulation temperature but which allows the emulsion to weaken and the inorganic oxidizer salt to crystallize at ambient temperature to produce a cast composition.

Compl. specn. 19 pages.

Int. Cl.¹ G 01 F 23.28.

164742

APPARATUS FOR MEASURING THE LEVEL OF FLUENT MATERIAL IN A CONTAINER.

Applicant : SAAB MARINE ELECTRONICS AKTIEBOLAG OF BOX 13045 S-402 51 GÖTEBORG SWEDEN, A SWEDISH COMPANY.

Inventor : KURT OLOV EDVARDSSON.

Application No. 300/Mas/85 filed 20 April 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

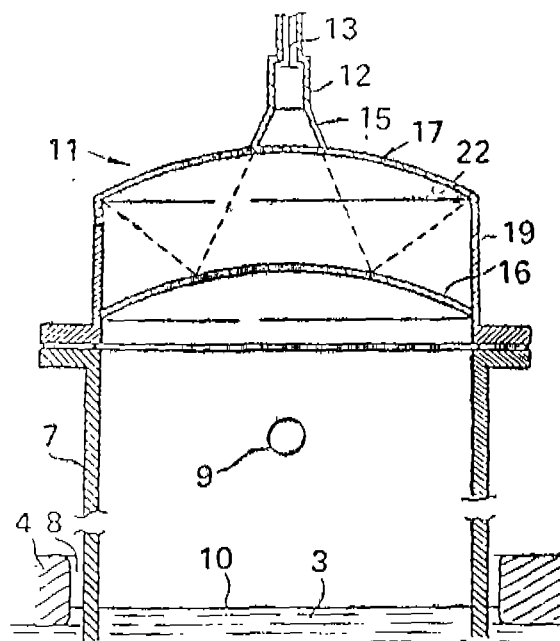
Apparatus for measuring the level of a fluent material in a container (1), comprising :

a transmitter (14), for feeding a microwave signal through a tubular waveguide (7) that extends vertically downward through the container and communicates with it so that the material surface in the waveguide that reflects microwave signals follows the level of the surrounding material;

a receiver for receiving the reflected microwave signal, and a known electronic device to determine the material level in the container from the received signal;

characterized in that a mode generator (11) is provided between the transmitter (14) and wave guide (7);

said mode generator comprising a primary radiator (15) connected to the transmitter to transform microwave signal to a signal of the E_{01} type, and has a mode converter (17) to convert the said transformed signal to a signal of the H_{01} type which is fed through the said wave guide (7).



Compl. specn. 17 pages

Drg. 1 sheet

Int. Cl.¹ : H 01 R 13/44 & 13/713.

164743

A SAFETY SWITCH IN COMBINATION WITH AN ELECTRIC SOCKET OF A PLUG AND SOCKET COUPLING.

Applicant & Inventor : BHUPAL RAVINDRANATH, AN INDIAN NATIONAL OF 138, SEPPINGS ROAD, BANGALORE-560 001, KARNATAKA.

Application No. 324/Mas/85 filed 29th April 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

A safety switch in combination with an electrical socket of a plug and socket coupling used in domestic, school and like electric supply circuits, wherein said switch is a plunger operated normally open make and break micro-switch secured behind the socket, and located behind the rear end of a non-live socket tube, the live wire connection to the live socket tube being adapted to be made through the micro-switch, said connection being effected on the depression of the plunger of the microswitch on the fitting of a plug in the socket.

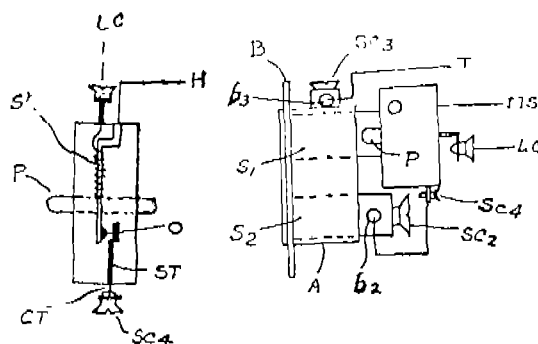


Fig 5

Compl. specn. 10 pages

Drg. 1 sheet

Int. CLASS⁴ : C 07 F 7/10

164744

IMPROVED PROCESS FOR THE PREPARATION OF N-SUBSTITUTED AMINOALKYLSILANES.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

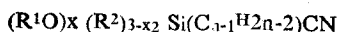
Inventors : (1) JOHN ALFRED KILGOUR, (2) HERBERT EUELL PETTY.

Application No. 331/Mas/85 filed April 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

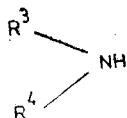
6 Claims

A process for selectively preparing an N-substituted aminoalkylsilane, the said process comprises reacting a primary or secondary amine shown in formula II of the accompanying drawing, with a cyanoalkylsilane of the formula :



wherein R^1 and R^2 are individually substituted or unsubstituted alkyl, aryl or alkyleneamine group containing 1 to 12 carbon atoms; R^3 and R^4 are individually hydrogen or a substituted or unsubstituted alkyl, aryl or alkyl-eneamine group containing 1 to 12 carbon atoms; x is an integer from 0 to 3; n is an integer from 2 to 4; at 25° to 180°C in the presence of hydrogen gas, said hydrogen gas having a pressure of from 50 psig to 1000 psig, and in the presence of a heterogeneous hydrogenation catalyst selected from the group consisting of rhodium, platinum and palladium, wherein the ratio of primary or secondary amine to cyanoalkylsilane is 1 to 10 and the reaction occurs in an aromatic hydrocarbon or aliphatic alcohol solvent, recovering N-substituted aminoalkylsilane in a known manner.

The compounds prepared according to this invention are useful as coupling agents, wetting agents and as adhesion promoters in priming metal surfaces.



Formula-II

Compl. specn. 31 pages

Drg. 1 sheet

Int. Cl.⁴ : B 29 D 7/00.

164745

A PROCESS FOR THE PRODUCTION OF NOVEL IRRADIATED ULTRA HIGH STRENGTH POLYETHYLENE FILAMENTS, TAPES AND FILMS AND THE POLYETHYLENE FILAMENTS, TAPES AND FILMS OBTAINED THEREBY.

Applicant : STAMICARBON B. V., (LICENSING SUBSIDIARY OF DSM) OF MIJNWEI 1, 6167 AC GELEEN, THE NETHERLANDS, A DUTCH COMPANY.

Inventor : PIETER JAN LEMSTRA.

Application No. 333/Mas/85 filed May 1, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A process for the production of novel irradiated ultra high strength polyethylene filaments, tapes and films which consists in :

- spinning or extruding a solution at a concentration of from 0.5% to 40% of a high molecular weight polyethylene having a weight average molecular weight of at least 4×10^6 through an orifice;
- quenching the extrudate from step (b) to a temperature below the gel point of said solution to form a gel-state article in the form of filament, tape or film;
- irradiating said gel-state article while in the gel-state preferably in oxygen free environment, by electron or gamma radiation with a dosage between 1 and 10 MRAD;
- and drawing or stretching said gelstate article either during or after said irradiation below the actual melting point of the polyethylene.

Compl. specn. 37 pages.

Drgs. 8 sheets

Int. Cl.⁴ : C 01 B 7/19.

164746

PROCESS FOR THE MANUFACTURE OF HYDROFLUORIC ACID BY REACTION OF SULPHURIC ACID WITH FLOUROSPAR IN A ROTATING OVEN.

Applicant : ATOCHEM, A FRENCH BODY CORPORATE OF 12-16 ALLEE DES VOSGES 92400 COURBEVOIE FRANCE.

Inventor : PIERRE LAROCHE; PASCAL THIERY; YVAN VEROT.

Application No. 348/Mas/85 filed 7th May 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A process for the manufacture of hydrofluoric acid by reaction of sulphuric acid with fluorospar, comprising :

- feeding the sulphuric acid and fluorospar to a pre-reaction device, operating so as to produce at its exit a pulverulent product the conversion of which is from 40 to 50%; then;
- introducing the said pulverulent product at a temperature of from 20 to 120°C into a rotating oven operating at a temperature of from 80 to 350°C in which hydrofluoric acid and calcium sulphate are formed, and simultaneously;
- recycling the reaction product to the oven such that from 3 to 3.5 moles of calcium sulphate are recycled per mole of calcium fluoride contained in the pulverulent product entering the oven, and
- recovering the hydrofluoric acid produced by any known method.

Compl. specn. 13 pages.

Drg. Nil

Int. Cl.⁴ : B 22 C 9/00.

164747

AN IMPROVED GAS PERMEABLE METAL CASTING MOLD HAVING GAS COLLECTION VOIDS.

Applicant : GENERAL MOTORS CORPORATION, A DELAWARE CORPORATION OF 3044, WEST GRAND BOULEVARD, DETROIT, MICHIGAN, U. S. A.

Inventor : GEORGE D. CHANDLEY.

Application No. 365/Mas/85 filed May 14, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

In a unitary, rigid, self-supporting, gas permeable, low temperature bonded, sand grain mold having peripheral side surfaces extending between vertically spaced upper and lower surfaces with mold cavity means spaced therebetween connected to gate passage means having its lower open end exposed at said lower surface, said mold cavity means being adapted to be filled with molten metal through said gate passage means by applying reduced pressure to the top surface of said mold while its lower surface with said gate passage means lower open end is submerged in molten metal, that improvement comprising

enclosed gas collection void means which are positioned adjacent to said mold cavity means, gate passage means and upper and lower mold surfaces, said gas collection void means being separated by said gas permeable mold body from said cavity means, from said gate passage means, and from said upper and lower mold surfaces.

Compl. specn. 14 pages.

Drgs. 2 sheets

Int. Cl.⁴ : C 01 F 7/02.

164748

A METHOD FOR SYNTHESIS OF CRYSTALLINE METALLOPHOSPHOALUMINATE.

Applicant : MOBIL OIL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF 150 EAST 42ND STREET, NEW YORK, NEW YORK-10017, U.S.A.

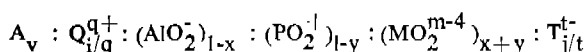
Inventors : (1) ROLAND VON BALLMOOS, (2) ERIC GERARD DEROUANE.

Application No. 366/Mas/85 filed May 16, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

8 Claims

A method for synthesis of crystalline metallo-phosphoaluminate characterised by a composition in the anhydrous state, as follows :

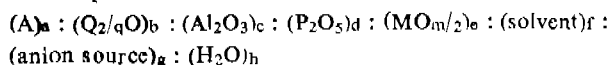


wherein A is organic directing agent, v is the number of moles of A, Q is a cation of valence q, T is an anion of valence t and M is one or more elements other than aluminium or phosphorus of valence m selected from germanium, vanadium, antimony and boron, or is a combination of said one or more elements and silicon, and x, y, i and j are numbers which satisfy the relationship :

$$i - j = y - x + (4 - m)(x + y),$$

said metallophosphoaluminate having an ion exchange capacity of at least 0.002 meq/g, which comprises :

preparing a reaction mixture comprising a liquid organic phase and a liquid aqueous phase, said reaction mixture comprising components in the following relationship :



wherein a, b, c, d, e, f, g and h are numbers satisfying the following relationships :

- a/(c + d + e) is less than 4,
- b/(c + d + e) is less than 2,
- e/(c + d) is less than 2,
- f/(c + d + e) is from 0.1 to 15,
- g/(c + d + e) is less than 2, and
- h/(c + d + e) is from 3 to 150,

wherein the solvent is a substantially water immiscible organic solvent and wherein upon initial preparation of said reaction mixture the source of one of the Al_2O_3 , P_2O_5 and MO

is dispersed or dissolved in the organic phase, heating the reaction mixture at a rate of from about 5°C to 200°C per hour to a temperature of from 80°C to 300°C, agitating the reaction mixture so as to intimately admix the organic and aqueous phases, maintaining the reaction mixture at a temperature of from 80°C to 300°C and a pH of from 9, and recovering the metallophosphoaluminate.

The compounds prepared according to this invention can be used as catalysts and ion-exchangers.

Compl. specn. 35 pages.

Drg. 1 sheet

Int. Cl.⁴ : C 01 F 7/02.

164749

METHOD FOR THE SYNTHESIS OF CRYSTALLINE FERROPHOSPHOALUMINATE.

Applicant : MOBIL OIL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF 150 EAST 42ND STREET, NEW YORK, NEW YORK-10017, U. S. A.

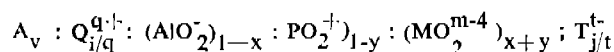
Inventors : (1) ROLAND VON BALLMOOS, (2) ERIC GERARD DEROUANE, (3) ERNEST WILLIAM VALYOSIK.

Application No. 367/Mas/85 filed May 16, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A method for synthesis of crystalline ferrophosphoaluminate comprising iron, phosphorus and aluminium which as synthesised, exhibits a characteristic X-ray diffraction pattern as shown in Table 1 of the specification and a composition as follows :



wherein A is an organic directing agent, selected from group consisting of organic onium compounds having the following formula :

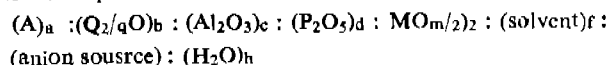


wherein E is a tetracoordinate element and X is an anion, v is the number of moles of A, Q is a cation of valence q, M is one or more elements of valence m selected from the group consisting of Fe^{+2} , Fe^{+3} , combinations thereof and combinations thereof with Si, T is an anion of valence t, and x, y, i and j are numbers which satisfy the relationships :

$$Z = i - j, \text{ and}$$

$$Z = y - x + (4 + m)(x + y)$$

wherein z is a number of from greater than -1 to less than +1 which comprises preparing a reaction mixture comprising a liquid organic phase and a liquid aqueous phase, said reaction mixture comprising components in the following relationships :



wherein a, b, c, d, e, f, g and h are numbers satisfying the following relationships :

- a/(c + d + e) is less than 4,
- b/(c + d + e) is less than 2,
- e/(c + d) is less than 2,
- f/(c + d + e) is from 0.1 to 15,
- g/(c + d + e) is less than 2 and
- h/(c + d + e) is from 3 to 150,

wherein the solvent is a substantially water-immiscible organic solvent and wherein upon initial preparation of said reaction mixture the source of one of the Al_2O_3 , P_2O_5 and MO is dispersed or dissolved in the organic phase, heating the reaction mixture at a rate of from about $5^\circ C$ to $200^\circ C$ per hour to a temperature of from $80^\circ C$ to $300^\circ C$, agitating the reaction mixture so as to intimately admix the organic and aqueous phases, maintaining the reaction mixture at a temperature of from $80^\circ C$ to $300^\circ C$ and a pH of from 6 to 9 and recovering the crystalline material.

The compounds prepared according to the invention are useful as catalysts as well as ion-exchangers.

Compl. specn. 21 pages.

No Drawing

Int. Cl.⁷ : A 61 K 7 16.

164750

A HERBAL TOOTH POWDER.

Applicant & Inventor : APPAN PARAMBATH ABOOBACHER, PROPRIETOR, A.P. WATCH WORKS, KOTTACHERRY, KANHANGAD-670315, KASARAGOD DISTRICT, KERALA.

Application No. 405/Mas/85 filed June 1, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

1 Claim

A herbal tooth powder consisting of 30% to 60% by weight of powdered (pure) dry shells of coconut, 30% to 45% by weight of purified clay powder, 10% to 25% by weight of dry ginger powder and a very little portion of edible saccharine powder (for taste) moistened with 10 to 30 drops eucalyptus oil, for every 100 grams of the said dry powder and blended.

Compl. specn. 4 pages.

Drg. Nil

Int. Cl.⁷ : F 16 K 1/00.

164751

PRESSURE-OPERATED RELIEF VALVE.

Applicant : VAPOR CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, LOCATED AT 6420 WEST HOWARD STREET, CHICAGO, ILLINOIS 60648, UNITED STATES OF AMERICA.

Inventor : RAYMOND GRANT REIP.

Application for Patent No. 402/Del/81 filed on 23rd June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 9

A pressure relief valve for use in relieving excess product pressure in a product vessel, the valve comprising :
a body

a poppet assembly mounted in said body for reciprocal movement therein and including a pressure sensitive piston at one end, which piston has a first diameter portion constant over a predetermined length followed by a second diameter portion constant over a second predetermined length; and

a valve seat in said body which is closed by said piston for product pressure below a predetermined value and through which said product flows upon opening or lifting of the valve piston for product pressures in excess of said predetermined value, the valve seat comprising first and second wall sections spaced from said first and second diameter portions of said piston and which, at the point of opening of the valve seat, form with the piston over said respective predetermined lengths first and second flow restrictions such that relative movement of the piston, away from the closed position with the seat, provides successively decreasing restrictions of the product flow through the flow restriction for travel of the piston substantially equal to said second predetermined length.

Compl. specn. 21 pages.

Drgs. 6 sheets

Int. Cl.⁷ : F 61 K 1/00.

164752

VALVE ASSEMBLY INCLUDING A TWO-STAGE PILOT VALVE AND A MAIN VALVE.

Applicant : VAPOR CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, LOCATED AT 6420 WEST HOWARD STREET, CHICAGO, ILLINOIS 60648, UNITED STATES OF AMERICA.

Inventor : RAYMOND GRANT REIP.

Application for Patent No. 403/Del/81 filed on 23rd June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A valve assembly including a two-stage pilot valve and a main valve wherein said pilot valve and said main valve are in fluid communication through at least one conduit, a flow adapter being mounted in said conduit, said flow adapter comprising a tubular plug including an axial conduit, and at least one ball mounted in said conduit.

Compl. specn. 18 pages.

Drgs. 7 sheet

Int. Cl.⁷ : F 16 K 1/00.

164753

PILOT VALVE ASSEMBLY FOR OPERATING A MAIN VALVE.

Applicant : VAPOR CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF THE DELAWARE, UNITED STATES OF AMERICA, LOCATED AT 6420 WEST HOWARD STREET, CHICAGO, ILLINOIS 60648, UNITED STATES OF AMERICA.

Inventor : RAYMOND GRANT REIP.

Application for Patents No. 404/Del/81 filed on 23rd June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A pilot valve assembly for operating a main valve to relieve product pressure in excess of a predetermined value by continuous product venting, and including a flow restrictor to position the piston of the main valve; said flow restrictor in fluid communication between said pilot valve and main valve; said main valve being of the type having a pressure balanced movable closure member and pressurized head volume thereabove, said pilot valve assembly comprising :

- a valve body;
- a cavity in said body;
- a pressure sensitive poppet for reciprocal motion in said cavity;
- said poppet having upper and lower ends;
- said lower end having a first diameter;
- said upper end being an extended stem with a second diameter;
- said second diameter being substantially less than said first diameter and defining an annular pressure sensitive area;
- the lower end of said poppet defining an effective pressure sensing area greater than said annular pressure sensitive area;
- a passage in said poppet communicating said areas for equalising upper and lower area pressures exerted on said poppet;
- a pressure sensing diaphragm sensing product pressure and connected to said extended stem to position said poppet during relief operation;
- seal means pressure sealing said poppet end and stem consisting of a reciprocating stem seal at said second diameter intermediate said diaphragm and said first diameter;
- a poppet seat in said cavity adjacent said poppet lower end and coating with said poppet lower end;
- said poppet seat having an effective flow diameter substantially greater than said stem seal diameter;
- a sensing chamber in said body located between said stem seal and said pressure sensing diaphragm;
- a test port in said body;
- fluid communicating means connecting said test port, poppet seat and sensing chamber;
- guide means in said fluid communicating means intermediate said test port, sensing chamber and poppet seat;
- a flow sensitive closure member contained in said guide means;
- said flow sensitive closure member being responsive to test vapour at pressure greater than product pressure introduced at said test port to close an inlet for product to said guide means thereby providing pilot operation without increasing product pressure.

Compl. specn. 30 pages.

Drgs. 11 sheets

Int. Cl.⁴ : B 65 C 9/02, 9/08.

164754

A MACHINE FOR AFFIXING LABELS ON BOTTLES.
Applicant : SWARAN SINGH AND SUSHIL KAUR,
BOTH INDIAN NATIONALS OF C-2/8, MAYA PURI,

PHASE-II, NEW DELHI II-110064 TRADING AS S.S. ENGINEERING WORKS. A REGISTERED PARTNERSHIP FIRM AT THE SAME ADDRESS.

Inventor : SATNAD SINGH.

Application for Patent No. 175/Del/85 filed on 5th March, 1985.

Complete specification left on 13th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A machine for affixing labels on bottles or containers comprising a feed station for feeding empty bottles or containers to a label affixing station or work station and a discharge station for receiving the bottles or containers affixed with the labels, said feed station and said discharge station comprising a conveyor, a feed worm provided with said feed station so as to feed the bottles or containers to the label affixing station, said label affixing station having a label transfer assembly and a pressing pad, a vacuum pump assembly, and located near said label transfer assembly, a carrier belt provided with said discharge station, a gum roller assembly provided co-operating with a gum pad assembly and adapted to pick up labels after gum is applied therein from a label magazine for transfer onto said label transfer assembly and affixing labels on the bottles or the containers.

Provisional specification 2 pages.

Com. specn. 10 pages.

Drgs. 2 sheets

Compl. specn. 10 pages.

Drgs. 2 sheets

"BRUSHLESS DYNAMOELECTRIC MACHINE".

Applicant : MAGHEMITE INC., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE PROVINCE OF ONTARIO, OF 2222 SOUTH SHERIDAN WAY, BUILDING 1, UNIT 2, MISSISSAUGA, ONTARIO, L5J 2M4, CANADA.

Inventor : ERICH WHITELEY.

Application for Patent No. 471/Del/85 filed on 12th June, 1985. Convention date 12th June, 1984/8414953/(U.K.); 15th February, 1985/474,431/(Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A brushless dynamoelectric machine, which comprises a disc like stator element, a disc like rotor element mounted coaxially with and spaced apart from the stator element for rotation about its axis, characterised in that the entire magnetic circuit is composed of ferrite material or a material with ferrite-like magnetic properties consisting of permanent magnet hard ferrite toroid means mounted on said rotor element to provide a plurality of magnetic poles of alternating polarity, high permeability soft ferrite toroid means mounted on said stator element, and electrical coil windings provided in association with said soft ferrite toroid means.

Compl. specn. 22 pages.

Drgs. 5 sheets

Int. CLASS: E21F 5/00

164756

APPARATUS FOR THE DETECTION OF ANOMALIES WITHIN GEOLOGICAL FORMATIONS.

Applicant : STOLAR INC., OF 1030 CLAYTON ROAD, P.O. BOX 428, RATON, NEW MEXICO 87740, UNITED STATES OF AMERICA, A NEW MEXICO CORPORATION.

Inventor : LARRY GEORGE STOLARCZYK.

Application for Patent No. 493/Del/85 filed on 24th June, 1985.

Convention dates November 14, 1984/8428809/(U.K.) and MAY 24, 1985/212192/(NEW ZEALAND).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

Apparatus for the detection of anomalies within geological formations comprising :

transmitter set having a tuned loop antenna for orienting vertically within a geological formation, said antenna electrically coupled to a transmitter and mechanically coupled to a drive means whereby said antenna is rotatable about a vertical axis, said transmitter transmitting continuous wave narrow band FM signals in a frequency range of 300 KHz to 800 KHz, a modem coupled to said transmitter and to a cable means to connect the transmitter set to a surface control equipment, said surface control equipment having means for controlling antenna headings;

receiving set having a tuned-loop antenna for orienting vertically within said formation, said antenna being electrically coupled to a continuous wave medium frequency receiver capable of receiving signals transmitted by the transmitter set and mechanically coupled to a drive means to rotate said antenna about a vertical axis, said receiver having connected thereto measuring and recording means for measuring and recording a plurality of data, comprising signal characteristics of said received signal, a modem coupled to said receiver and to a cable means to connect the receiver set to surface analysis and control equipment, said surface analysis and control equipment having means for controlling antenna headings.

Compl. specn. 42 pages

Drg. 5 sheets

Int. CLASS: B01J, 8/24

164757

FLOATING FLAME FLUIDISED BED BOILER.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, OF 18-20, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventor : RAMASAMY VASUDEVAN.

Application for Patent No. 506/Del/85 filed on 27th June, 1985. Complete Specification left on 10th September, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A floating flame fluidized combustion bed steam boiler or generator comprising :

a fluidized combustion bed;

a wind box below the same and an air distributor fan with the said wind box and disposed below the air distributor plate of the said bed characterized in that the said fluidized combustion bed is provided with an additional combustion zone above the bed;

a plurality of coal feed nozzles being provided above and spaced from the said bed and in the region of the said additional combustion zone for feeding crushed coal in the region of said additional combustion zone for burning therein and to form a floating flame zone.

Provisional specification 4 pages.

Compl. specn. 7 pages

Drg. 1 sheet

Int. CLASS: F42B 1/00

164758

BOREHOLE PLUG FOR A BOREHOLE FOR PLACING EXPLOSIVES THEREIN.

Applicant : SPECIALISED POLYURETHANE APPLICATIONS PTY. LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES, OF 5 ST. THOMAS STREET, WAVERLEY, NEW SOUTH WALES 2024, AUSTRALIA.

Inventors : MICHAEL EDWARD CLARKSON, STEPHEN JOHN HALL AND GORDON ALEXANDER MOFFAT.

Application for Patent No. 541/Del/85 filed on 11th July, 1985. Convention dates 12th July, 1984/PG 5968; 27th September, 1984/PG 7364 and 9th October, 1984/PG 7551 (Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

A borehole plug for a borehole for placing explosives therein, said plug comprising :

two or more co-reagents which expand when mixed;

each reagent being contained in a separate container such that they do not inadvertently mix but mix when at least one of the containers is opened;

an outer container for confining the co-reagents in their unmixed and just-mixed states such outer container being dimensioned for dropping or lowering down a borehole to a required depth before the co-reagents expand to form a plug attached to the borehole wall.

Compl. specn. 11 pages

Drg. 1 sheet

Int. CLASS: C08C 3/02

164759

METHOD FOR THE SEPARATION OF BAGASSE FROM BAGASSE-CONTAINING GUAYULE SHRUB.

Applicant : THE FIRESTONE TIRE & RUBBER COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 1200 FIRESTONE PARKWAY, AKRON, STATE OF OHIO 44317, UNITED STATES OF AMERICA.

Inventors : JOANNE LOUISE BEATTIE & WILLIAM MAX COLE.

Application for Patent No. 613/Del/85 filed on 7th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A method for the separation of bagasse from bagasse-containing guayule shrub which comprises the steps of:

- contacting bagasse-containing guayule shrub with a resin-rubber solvent system of the kind herein described whereby resin and rubber are dissolved and extracted from said guayule shrub to pass into said solvent system to form therewith a miscella solution;
- adding water to said miscella solution to form a miscella phase containing solvent, resin and rubber and an aqueous phase containing bagasse; and
- separating in any known manner said bagasse from said aqueous phase.

Complete specification 16 pages.

Int. CLASS: C10G 9/40

164760

IMPROVED VISBREAKING PROCESS FOR REFINING OF CRUDE OIL.

Applicant : UOP INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventors : JOHN BENJAMIN WHITE, ROBERT ELWOOD MCHARG AND FRANK STOLFA.

Application for Patent No. 667/Del/85 filed on 16th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

An improved visbreaking process for refining of crude oil by indirect heat exchange of a feed stream comprising a mixture of hydrocarbons having boiling points above 600°F (315°C) against a first bottoms stream to a temperature higher than normal visbreaking temperatures preferably by about 40°F which comprises the steps of:

- (a) heating said feed stream by indirect heat exchange against said first bottoms stream;
- (b) passing the feed stream through a visbreaking zone, and admixing a resultant visbreaking zone affluent stream with a quench stream having a temperature of above 600°F but cooler than visbreaking zone effluent stream by 300°F to form a first process stream wherein the flow rate of the quench stream is greater than the flow rate of the visbreaking effluent stream;
- (c) passing the first process stream in a separation zone in which entering hydrocarbons are separated into different boiling point range fractions including the said first bottoms stream;
- (d) employing the first bottoms stream in said indirect heat exchange and then dividing the first bottoms stream into at least said quench stream and a second process stream; and
- (e) passing the second process stream in a second separation zone and separating into lighter hydrocarbon fractions and a second bottoms stream from which a refined product stream is recovered.

Compl. specn. 14 pages

Drg. 1 sheet

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 59 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 160175. Nagar Andhal Srinivas Naidu Proprietor, Sri Ananda Type Foundry, Narayana-guda, Hyderabad-29. Andhra Pradesh, Indian National. "Telugu Type Fonts". 21st September, 1988.

Class 1. No. 160245. M/s. V. Automat and Instruments Pvt. Ltd., F-61, Okhla Industrial Area, Phase-I, New Delhi-110020, India, a Private limited company (Indian company) of the above address. "Top mounted (Magnetic) float operated level switch". 10th October, 1988.

Class 1. No. 160247. M/s. V. Automat and Instruments Pvt. Ltd., F-61, Okhla Industrial Area, Phase-I, New Delhi-110020, India, a private limited company (Indian Company) of the above address. "Top mounted (Magnetic) displacer operated level switch". 10th October, 1988.

Class 1. No. 160248. M/s. V. Automat and Instruments Pvt. Ltd., F-61, Okhla Industrial Area, Phase-I, New Delhi-110020, India, a Private limited company (Indian company) of the above address. "The level transmitter (electronic)". 10th October, 1988.

Class 1. Nos. 160259 to 160261. Taru Motors, an Indian Company of Ashram Road, Ahmedabad-380009, Gujarat, India. "Carburettor". 14th October, 1988.

Class 1. No. 160504. Partecipazioni Bulgari S.P.A., an Italian Company of No. 5, Via Gregoriana-00187 Roma, Italy. an "Necklace". 5th December, 1988.

Class 1. Nos. 160505 to 160509. Partecipazioni Bulgari S.P.A., an Italian Company of No. 5, Via Gregoriana-00187 Roma, Italy. "a Ring". 5th December, 1988.

Class 1. No. 160513. Partecipazioni Bulgari S.P.A., an Italian Company of No. 5, Via Gregoriana-00187 Roma, Italy. an "Earring". 5th December, 1988.

Class 3. No. 160095. Laxman Sitaram Gavankar At: 3/164, Milind Co-operative Housing Society, M.H.B. Colony, Gorai, Road, Borivali (West), Bombay 400 092, Maharashtra India, Indian Nationality. "Handles". 6th September, 1988.

Class 3. No. 160232. Rajesh Narang, Indian National, of 10th Floor, Mehta Mahal, 15, Mathew Road, Bombay-400004, Maharashtra, India. "Games". 7th October, 1988.

Class 3. No. 160234. Choksons Private Ltd., an Indian Company, of Saki Vihar Road, P.O. Box 843, Powai, Bombay-400 072, Maharashtra, India, and also at Tavawala Building, Pathak Wadi, Bombay-400 002, Maharashtra, India. "Switch Socket Outlet". 10th October, 1988.

Class 3. No. 160238. Choksons Private Ltd., an Indian Company of Saki Vihar Road, P.O. Box 843, Powai, Bombay-400 072, Maharashtra, India, and also at Tavawala Building, Pathak Wadi, Bombay-400 002, Maharashtra, India. "Shaver Socket". 10th October, 1988.

Class 3. No. 160253. Evershine Plastic Industries, of C-18, Focal Point, Ludhiana-10 (Punjab), India, an Indian Partnership firm. "Lamp Reflector for Bicycle". 11th October, 1988.

Class 3. No. 160309. Castrol Limited, a British company of Burmah House, Pipers Way, Swindon, England. a "Container". Reciprocity date is 2nd June, 1988 (U.K.).

Class 3. Nos. 160360 & 160361. V. & E. Friedland Limited, a British Company of Houldsworth Street, Reddish Stockport, Cheshire, SK5 6BP, England. "a Door entry Sounder like a Doorbell or Door Chime". Reciprocity date is 10th May, 1988 (U.K.).

Class 3. No. 160362. V. & E. Friedland Limited, a British Company of Houldsworth Street, Reddish Stockport, Cheshire, SK5 6BP, England. a Door entry Sounder Like a Doorbell of Door Chime or similar article". Reciprocity date is 10th May, 1988 (U.K.).

Class 3. Nos. 160435 to 160437. The Goodyear Tire & Rubber Company, a Corporation organised under the laws of the State of Ohio, with Offices at 1144 East Market Street, Akron, Ohio 44316-0001, United States of America. a "Tyre for a Vehicle Wheel". 28th November, 1988.

Class 3. No. 160461. Interlego A.G., a Swiss Company of Sihlbruggstrasse 3, CH-6340 Baar, Switzerland. "a Trailer Hook for a Toy Car". 29th November, 1988.

Class 3. Nos. 160534 & 160535. The Goodyear Tire & Rubber Company, a Corporation organised under the laws of the State of Ohio, with offices at 1144 East Market Street, Akron, Ohio 44316-0001, United States of America. a "Tread for a Tyre". 12th December, 1988.

Class 3. No. 160615. Crystal Plastics & Metallizing Private Limited, Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay 400025, Maharashtra, India, a private limited company incorporated under the Indian Companies Act. "Hair Comb". 4th January, 1989.

Class 5. Nos. 160222 to 160224. N. Ranga Rao & Sons, P.B. No. 52, Mysore-570 004, Karnataka, India. Indian Partnership firm. "Carboard box". 6th October, 1988.

Class 12. No. 160227. M/s. Oceanic Development International Sasthamangalam, Trivandrum-695 010, Kerala, India. A Partnership Firm. Transtab Voltage Stabiliser". 6th October, 1988.

Class 12. No. 160367. The Wallace Flour Mills Company Limited, an Indian Company, of 100B, Shivdas Champso Marg, Hancock Bridge, Mazgaon, Bombay-400 009, Maharashtra State, India. "Blucose Biscuits". 11th November, 1988.

Class 12. No. 160589. Arctic Ice, Inc., a New York corporation, of 146 West 57th Street, Suite 66-B, New York, New York 10019, United States of America. "Cubic Structure for Frozen Articles Such as Ice." 23rd December, 1988.

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Nos. 147415, 147414. Class 4.

R. A. ACHARYA

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